

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

Atty. Docket No.

Serial No.  
TBA

Applicants: Michael L. Obradovich  
Michael L. Kent  
John G. Dinkel

Filing Date \_\_\_\_\_  
Herewith \_\_\_\_\_

Group	TBA
-------	-----

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
	5	4	0	4	4	4	3	4-4-95	Hirata			
	5	2	7	4	5	6	0	12-28-93	LaRue			
	5	4	4	2	5	5	3	8-15-95	Parillo			
	5	5	5	5	5	0	2	9-10-96	Opel			
	4	8	2	7	5	2	0	5-2-89	Zeinstra			
	5	2	1	4	7	0	7	5-25-93	Fujimoto et al.			
	5	5	5	5	1	7	2	9-10-96	Potter			
	5	5	3	9	8	6	9	7-23-96	Spoto et al.			
	5	5	3	4	8	8	8	7-9-96	Lebby et al.			
	5	5	2	8	4	9	6	6-18-96	Brauer et al.			

FOREIGN PATENT DOCUMENT

[illegible]

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)			

OTHER DOCUMENTS (Including Author, Title Date, Pertinent Pages, Etc.)			
			M. Krebs, "Cars That Tell You Where to Go," <u>The New York Times</u> , December 15, 1996, section 11, page 1.
			L. Kraar, "Knowledge Engineering," <u>Fortune</u> , October 28, 1996, pp. 163-164.
			S. Heuchert, "Eyes Forward: An ergonomic solution to driver information overload," <u>Society of Automobile Engineering</u> , September 1996, pp. 27-31.

**Examiner**

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

- -Continued- -

TBA

TBA

U.S. PATENT DOCUMENTS												
*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
	5	5	2	5	9	7	7	6-11-96	Suman			
	5	4	9	3	6	5	8	2-10-96	Chiang et al.			
	5	4	8	3	6	3	2	1-9-96	Kuwamoto et al.			
	5	4	7	5	3	9	9	12-12-95	Borsuk			
	5	4	3	2	9	0	4	7-11-95	Wong			
	5	3	5	1	0	4	1	9-27-94	Ikata et al.			
	5	3	3	5	2	7	6	8-2-94	Thompson et al.			
	4	5	3	6	7	3	9	8-20-85	Nobuta			
	5	5	5	9	5	2	0	9-24-96	Barzegar et al.			
	5	4	9	7	3	3	9	3-5-96	Bernard			

[illegible][illegible]

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Serial No.

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

Applicants: Michael L. Obradovich  
Michael L. Kent  
John G. Dinkel

Group	TBA
-------	-----

U.S. PATENT DOCUMENTS												
*Exam. Init.	Document No.							Date.	Name	Class	Subclass	Filing Date if Appropriate
	5	5	5	5	2	8	6	9-10-96	Tendler			
	5	4	5	0	3	2	9	9-12-95	Tanner			
	5	4	7	9	4	8	2	12-26-95	Grimes			
	5	5	7	9	5	3	5	11-26-96	Orlen et al.			
	5	5	7	2	2	0	4	11-5-96	Timm et al.			
	5	5	1	9	4	0	3	5-21-96	Bickley et al.			
	5	2	9	9	1	3	2	3-29-94	Wortham			
	5	3	3	4	9	7	4	8-2-94	Simms et al.			
	5	2	3	5	6	3	3	8-10-93	Dennison et al.			
	5	1	1	9	5	0	4	6-2-92	Durboraw, III			

[illegible][illegible]

Date Considered \_\_\_\_\_

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of file with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

--Continued--

Atty. Docket No.

Serial No.

TBA

Applicants: Michael L. Obradovich  
Michael L. Kent  
John G. Dinkel

Filing Date

Herewith

Group

TBA

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
	5	0	4	3	7	3	6	8-27-91	Darnell et al.			
	5	5	2	8	2	4	8	6-18-96	Steiner et al.			
	5	3	4	5	8	1	7	09/94	Grenn et al.			
	4	9	9	6	9	5	9	03/91	Akimoto			
	4	9	9	5	2	5	8	02/91	Frank			

FOREIGN PATENT DOCUMENT

Document No.							Date	Country	Class	Subclass	Translator	
											Yes	No

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)


Examiner

Date Considered

Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance.

Atty. Docket No.

Serial No.

TBA

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

Applicants: Michael L. Obradovich  
Michael L. Kent  
John G. Dinkel

Filing Date  
Herewith

Group

TBA

## U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
	5	5	7	6	7	2	4	11-19-96	Fukatsu et al.			
	5	4	1	4	4	3	9	5-9-95	Groves et al.			
	4	7	5	2	8	2	4	6-21-88	Moore			
	4	7	4	0	7	7	9	4-26-88	Cleary et al.			
	5	4	4	0	4	2	8	8-8-95	Hegg et al.			
	5	3	7	1	5	1	0	12-6-94	Miyauchi et al.			
	5	3	6	1	1	6	5	11-1-94	Stringfellow et al.			
	4	7	9	5	2	2	3	6-23-89	Moss			
	4	6	3	6	7	8	2	1-13-87	Nakamura et al.			
	4	5	8	2	3	8	9	4-15-86	Wood et al.			

FOREIGN PATENT DOCUMENT

[illegible]

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

[illegible]

**Examiner**

Date Considered

- \* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Serial No.

Applicants: Michael L. Obradovich  
Michael L. Kent  
John G. Dinkel

Group	TBA
-------	-----

## U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
	5	5	0	6	5	9	5	4-9-96	Fukano et al.			
	4	8	1	8	0	4	8	4-4-89	Moss			
	5	5	1	9	4	1	0	5-21-96	Smalanskas et al.			
	5	5	0	4	6	2	2	4-2-96	Oikawa et al.			
	5	4	9	7	2	7	1	3-5-96	Mulvanny et al.			
	5	4	8	6	8	4	0	1-23-96	Borrego et al.			
	5	4	0	0	0	4	5	3-21-95	Aoki			
	5	2	7	8	5	3	2	1-11-94	Hegg. et al.			
	5	2	1	4	4	1	3	5-25-93	Okabayashi et al.			
	5	1	9	8	7	9	7	3-30-93	Daidoji			

FOREIGN PATENT DOCUMENT

[illegible]

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

[illegible]

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Serial No.

Applicants: Michael L. Obradovich  
Michael L. Kent  
John G. Dinkel

Group

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

[illegible][illegible][illegible]

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.

Serial No.

TBA

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)

Applicants: Michael L. Obradovich  
Michael L. Kent  
John G. Dinkel

Filing Date  
Herewith

Group

TBA

## U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.								Date	Name	Class	Subclass	Filing Date if Appropriate
	5	2	5	7	1	9	0		10-26-93	Crane			
	5	4	5	0	3	2	1		9-12-95	Crane			
	4	7	3	1	7	6	9		3-15-88	Schaefer et al.			
	5	0	0	6	8	2	9		4-9-91	Miyamoto et al.			
	4	4	0	1	8	4	8		8-30-83	Tsunoda			
	5	4	5	0	6	1	3		9-12-95	Takahara et al.			
	4	9	1	4	7	0	5		4-3-90	Nigawara			
	4	3	1	4	2	3	2		22-2-82	Tsunoda			
	5	7	7	7	3	9	4		7-7-98	Arold			
	5	3	3	5	7	4	3		8-9-94	Gillbrand et al.			

## FOREIGN PATENT DOCUMENT

Document No.								Date	Country	Class	SubClass	Translation Yes No	
4	4	3	1	0	7	0		3-7-96	Germany			X	

## OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)


Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with 35 U.S.C. 132  
Draw line through citation if not in conformance





Serial No... TBA

Filing Date  
Herewith

Group	TBA
-------	-----

U.S. PATENT DOCUMENTS												
*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
	5	6	5	4	7	1	5	8-5-97	Hayashikura et al.			
	5	6	3	8	3	0	5	6-10-97	Kobayashi et al.			
	5	6	8	9	2	5	2	11-18-97	Ayanoglu et al.			
	5	6	4	8	7	6	9	7-15-97	Sato et al.			
	5	7	5	2	7	5	4	5-19-98	Amitani et al.			
	5	7	5	8	3	1	1	5-26-98	Tsuji et al.			
	5	6	2	7	5	4	7	5-6-97	Ramaswamy et al.			
	5	6	5	0	9	2	9	7-22-97	Potter et al.			
	5	5	5	3	6	6	1	9-10-96	Beyerlein et al.			
	5	6	6	6	1	0	2	9-9-97	Lahiff			
	5	6	9	1	6	9	5	11-25-97	Lahiff			

[illegible][illegible]

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not cited.

Please type a plus sign (+) ins.

→ +

PTO/SB/08A (08-00)  
Use through 10/31/2002 OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
to a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	11	of	15
-------	----	----	----

**Complete if Known**

Application Number	TBA
Filing Date	Herewith
First Named Inventor	M. Obradovich et al.
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		5203499		Knittel	April 1993	
		5919239		Fraker et al.	July 1999	
		4291749		Ootsuka et al.	Sept. 1981	
		4337821		Saito	July 1982	
		4441405		Takeuchi	April 1984	
		5416318		Hegyi	May 1995	
		5547125		Hennessee et al.	Aug. 1996	
		5553661		Beyerlein et al.	Sept. 1996	
		5653386		Hennessee et al.	Aug. 1997	
		5208756		Song	May 1993	
		5497149		East	March 1996	
		5515285		Garrett, Sr. et al.	May 1996	
		5767788		Ness	June 1998	
		5874889		Higdon et al.	Feb. 1999	
		6002334		Dvorak	Dec. 1999	
		6037991		Thro et al.	March 2000	
		6011505		Wagener	Aug. 2000	
		5515419		Sheffer	May 1996	
		5631642		Brockelsby et al.	May 1997	
		5673305		Ross	Sept. 1997	

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



**Complete if Known**

Application Number	TBA
Filing Date	Herewith
First Named Inventor	M. Obradovich
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	

Sheet	13	of	15
-------	----	----	----

[illegible][illegible]

Date	
Considered	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

+

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
to a collection of information unless it contains a valid OMB control number

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	TBA
				Filing Date	Herewith
				First Named Inventor	M. Obradovich
				Group Art Unit	TBA
				Examiner Name	TBA
				Attorney Docket Number	
Sheet	14	of	15		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
		6,002,326		Turner	12/1999	
		4,967,178		Saito et al.	10/1990	
		5,006,829		Miyamoto et al.	4/1991	
		5,717,387		Suman et al.	2/1998	
		5,732,368		Knoll et al.	3/1998	
		5,742,226		Szabo et al.	4/1998	
		4,451,887		Harada et al.	5/1984	
		4,477,874		Ikuta et al.	10/1984	
		4,707,788		Tashiro et al.	11/1987	
		4,809,180		Saitoh	2/1989	
		4,853,687		Isomura et al.	8/1989	
		5,070,931		Kalthoff et al.	12/1991	
		5,494,097		Straub et al.	2/1996	
		5,712,625		Murphy	1/1998	
		5,714,852		Enderich	2/1998	
		4,653,003		Kirstein	3/1987	
		6,078,853		Ebner et al.	6/2000	
		6,013,956		Anderson, Jr., James Burr	1/2000	
		6,104,101		Miller et al.	8/2000	

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, otherwise not used.

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution of Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	TBA
				Filing Date	Herewith
				First Named Inventor	M. Obradovich
				Group Art Unit	TBA
				Examiner Name	TBA
Sheet	15	of	15	Attorney Docket Number	

[illegible][illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference agent's name is not used.

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.